1. The acceleration ‘a’ in m/s² of a particle is given by a = 3t² + 2t + 2 where t is the time. If the particle starts out with a velocity u = 2m /s at t = 0, then the velocity at the end of 2 second is.  
   (1) 12 m/s (2) 18 m/s (3) 27 m/s (4) 36 m/s
2. The work done in an adiabatic change in a gas depends only on.  
   (1) Change is pressure (2) Change in volume (3) change in temprature (4) None of these
3. In the case of constants and α of β a transistor.  
   (1) 1.2 (2) 441 (3) 444 (4) 433
4. What is your name   
   (1) Ashraf (2) Junaid (3) Suhail (4) Sadique
5. Mumbai coding club is initialzed by.  
   (1) Gani bhai (2) Majnju Bhai (3) Uday bhai (4) Babu rao aapte
6. B floats with ¼ of its volume above the water level.  
   (1) hii (2) 2:3 (3) 4:5 (4) 43
7. B floats with ¼ of its volume above the water level.  
   (1) hii (2) 2:3 (3) 4:5 (4) 43
8. B floats with ¼ of its volume above the water level.  
   (1) hii (2) 2:3 (3) 4:5 (4) 43
9. If r represents the radius of the orbit of a satellite of mass m moving around a planet of mass M, the velocity of the satellite is given by  
   (1) They are monochromatic   
   (2) They are highly polarised   
   (3) They are coherent   
   (4) They have high degree of parallelism
10. B floats with ¼ of its volume above the water level.  
    (1) hii (2) 2:3 (3) 4:5 (4) 43
11. B floats with ¼ of its volume above the water level.  
    (1) An emf can be induced between the ends of a straight conductor by moving it through a uniform magnetic field  
    (2) An emf can be induced between the ends of a straight conductor by moving it through a uniform magnetic field  
    (3) An emf can be induced between the ends of a straight conductor by moving it through a uniform magnetic field  
    (4) An emf can be induced between the ends of a straight conductor by moving it through a uniform magnetic field